

Bhowmik - 12-146-1

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

## Declaration and Power of Attorney

As the below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our name.

We believe we are the original, first and sole inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **A BARRIER LAYER FOR INTERCONNECT STRUCTURES OF A SEMICONDUCTOR WAFER AND METHOD FOR DEPOSITING THE BARRIER LAYER** the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

We acknowledge the duty to disclose all information known to us which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

We hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, we acknowledge the duty to disclose all information known to us to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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We hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Lester H. Birnbaum	(Reg. No. 25830)
Richard J. Botos	(Reg. No. 32016)
Gerard A. deBlasi	(Reg. No. 34149)
Anthony Grillo	(Reg. No. 36535)
Mark A. Kurisko	(Reg. No. 38944)
Robert P. Marley	(Reg. No. 32914)
Scott W. McLellan	(Reg. No. 30776)
Geraldine Monteleone	(Reg. No. 40097)
Scott J. Rittman	(Reg. No. 39010)
Ferdinand M. Romano	(Reg. No. 32752)
David L. Smith	(Reg. No. 30592)
John P. Veschi	(Reg. No. 39058)

We hereby appoint the attorney(s) on ATTACHMENT A as associate attorney(s) in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorney(s) and such associate attorney(s) are specifically denied any power of substitution or revocation.

Full name of sole inventor (or 1st joint inventor): Siddhartha Bhowmik

Inventor's signature *Siddhartha Bhowmik* Date 09/27/01

Residence: ~~2132 Opilana Street~~ <sup>8B</sup> 1659 Ridgeview Drive  
~~Orlando, Florida 32837~~ Allentown, PA 18104

Citizenship: India

Post Office Address: ~~2132 Opilana Street~~ <sup>8B</sup> 1659 Ridgeview Drive  
~~Orlando, Florida 32837~~ Allentown, PA 18104

09/29/2001 02:40

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PATENT AND TRADEMARK OFFICE

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None

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Full name of 2nd joint inventor: Sailesh Mansinh Merchant

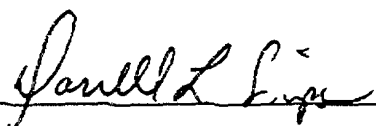
Inventor's signature  Date 27 Sept '01

Residence: 8214 Vineland Oaks Boulevard  
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Citizenship: USA

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Orlando, Florida 32835

Full name of 3rd joint inventor: Darrell L. Simpson

Inventor's signature  Date 09/27/01

Residence: 10430 Windermere Chase Boulevard  
Gotha, Florida 34734

Citizenship: USA

Post Office Address: 10430 Windermere Chase Boulevard  
Gotha, Florida 34734

10430 Windermere Chase Boulevard  
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**ATTACHMENT A**

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